

**Patent Number(s):** NL6915158-A; **DE1950553-A**; FR2020039-A; GB1236888-A

**Title:** Antimony alcoholates as catalysts - in the production of polyethylene terephthalates

**Patent Assignee Name(s) and Code(s):** M & T CHEM INC (METT-C)

**Derwent Primary Accession Number:** 1970-23785R [49]

**Patents Cited by Inventor:** 0 **Citing Patents:** 1 **Articles Cited by Inventor:** 0

**Patents Cited by Examiner:** 0 **Articles Cited by Examiner:** 0

**Abstract:**

Antimony alcoholates as catalysts in the production of polyethylene terephthalates. N2A. have the formula where R1-3 are hydrocarbon residues, such as alkyl grp (pref. is not >8C), alkenyl (vinyl, allyl etc), cycloalkyl, aralkyl or aryl grps., opt. subst. by (cyclo)alkyl, aryl, aralkyl, allyl, ether, nitro, ester, halogen, etc.

The catalyst are used in the polymn. stage of bis(B-hydroxyethyl) terephthalate (I), in turn made in the usual way by the rea. of ethylene glycol with dimethyl terephthalate under the usual transesterification conditions.

Catalyst are hydrolytically stable, have good activity and are soluble in ethylene glycol in catalytic amounts. Generally 0.003-0.50% (esp. 0.006-0.40%) catalyst on (I) is used.

Products have excellent colour.

**International Patent Classification:** C08G-017/01

**Derwent Class:** A23 (Polyamides, polyesters, polycarbonates, alkyls); E12 (Organometallics)

**Derwent Manual Code(s):** A02-A07; A05-E04A; E05-J

**Patent Details:**

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
NL6915158-A	09 Apr 1970		197015		
<b>DE1950553-A</b>			197017		
FR2020039-A			197044		
GB1236888-A			197124		

**Priority Application Information and Date:**

US765629	07 Oct 1968
----------	-------------